orial l	Number: C1/774, 705.4 CRF Processing Date: 8/9/0.
	Changed a file from non-ASCII to ASCII Verlified by: Verlified by:
	Changed the margins in cases where the sequence text was "wrapped" down to the lext time.
	Edited a format error in the Current Application Data section, specifically:
	Edited the Current Application Data section with the actual current number. The number inputted by the applicant was the prior application data; or other
	Added the mandatory heading and subheadings for "Current Application Data".
	Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer
	Changed the spelling of a mandatory field (the headings or subheadings), specifically:
	Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:
	Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:
]	Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
	Inserted colons after headings/subheadings. Headings edited included:
]	Deleted extra, invalid, headings used by an applicant, specifically:
1	Deleted: non-ASCII "garbage" at the beginning/end of files; secretary initials/filename at end of page numbers throughout text; other invalid text, such as
7	Inserted mandatory headings, specifically:
]	Corrected an obvious error in the response, specifically:
J	Edited identifiers where upper case is used but lower case is required, or vice versa.
]	Corrected an error in the Number of Sequences field, specifically:
	A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
	Deleted ending stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (emdue to a Patentin bug). Sequences corrected:
	Other:

Action. DO NOT send a copy of this form.



1600

RAW SEQUENCE LISTINGPATENT APPLICATION: US/09/776,705A

DATE: 08/09/2002

TIME: 14:11:45

Input Set : A:\PTO.DC.TXT

Output Set: N:\CRF4\08092002\1776705A.raw

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4 <110> APPLICANT: GUEGLER, Karl et al
6 <120> TITLE OF INVENTION: ISOLATED HUMAN TRANSPORTER PROTEINS,
        NUCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS,
        AND USES THEREOF
10 <130> FILE REFERENCE: CL001010
12 <140> CURRENT APPLICATION NUMBER: 09/776,705A
13 <141> CURRENT FILING DATE: 2001-02-06
15 <160> NUMBER OF SEQ ID NOS: 60
17 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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21 <212> TYPE: DNA
22 <213> ORGANISM: Human
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27 ctgaaggggc ttgtgtgtgg acaagaaagc gctgacagct caaatggatc ccatggaact 180
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52 cactatgctg atttttattc ttccagcagt tttttatctt aaacttgtca agaaagaaac 1680
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		Ser	Ser	Glv	Glu	Ser	Ala	Pro	Asp	_	Tvr	Ile	Ara	Ile	Gly	Asn	
66				20					25		1		_	30	•		
67	Ser	Glu	Lys	Ala	Ala	Met	Ser	Ser	Gln	Phe	Ala	Asn	Glu	Asp	Thr	Glu	
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77	Leu	Ala	Val	Ala	Ile	Leu	Ser	Leu	Tyr	Ser	Val	His	Leu	Leu	Leu	Lys	
78			115					120	_				125			_	
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86				180		_			185	_				190			
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98			275					280					285				
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100)	290	C				29	5				300)				
103	l Sei	r Lei	ı His	s Asp	Se	r Gly	y Va	l Gl	ı Ty:	r Glu	ı Ala	a His	s Se	r Ası	Asp	Lys	
102	2 30!	5				310	C				31	5				320	
103	З Суя	s Glu	ı Pro	o Lys	з Туз	r Phe	e Val	L Phe	e Ası	n Sei	r Ar	g Thi	c Ala	а Туз	r Ala	ılle	
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109 110	Asn	Ile 370	Ser	Ile	Thr	Gly	Met 375	Leu	Val	Met	Tyr	Leu 380	Leu	Ala	Ala	Leu	
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113 114	Ala	Tyr	Ser	Lys	Val 405	Tyr	Thr	Leu	Asp	Ile 410	Pro	Leu	Leu	Met	Val 415	Arg	
115 116	Leu	Ala	Val	Leu 420	Val	Ala	Val	Thr	Gln 425	Thr	Val	Pro	Ile	Val 430	Leu	Phe	
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119 120	Ser	Trp 450	Ile	Arg	His	Phe	Leu 455	Ile	Ala	Ala	Val	Leu 460	Ile	Ala	Leu	Asn	
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123 124	Ile	Gly	Ala	Ser	Ser 485	Ala	Thr	Met	Leu	Ile 490	Phe	Ile	Leu	Pro	Ala 495	Val	
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				D NO									•				
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				NCE:													
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142	aaaq	gggga	aag .	aaata	agttt	t ti	taaa	atagt	aga	actt	ttt	ttat	tttt	ag	aaaat	gtgtc	120
			•	-		-		-		-	-			-	-	cgaatt	
																ctgaaa	
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	-	-	_		-				_			_	_		_	gaattc	
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	-	_		ctcagattcc			
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